

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/626,879
Source: IFW
Date Processed by STIC: 11/5/04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 11/05/2004

PATENT APPLICATION: US/10/626,879

TIME: 12:30:10

Input Set : A:\72121189.app

Output Set: N:\CRF4\11052004\J626879.raw

```

3 <110> APPLICANT: HAN, JANG
4     SEO, MI YOUNG
5     HOUGHTON, MICHAEL
7 <120> TITLE OF INVENTION: MODIFIED SMALL INTERFERING RNA MOLECULES AND METHODS OF USE
9 <130> FILE REFERENCE: 072121-0189-REG
11 <140> CURRENT APPLICATION NUMBER: 10/626,879
12 <141> CURRENT FILING DATE: 2003-07-25
14 <150> PRIOR APPLICATION NUMBER: 60/470,230
15 <151> PRIOR FILING DATE: 2003-05-14
17 <150> PRIOR APPLICATION NUMBER: 60/461,838
18 <151> PRIOR FILING DATE: 2003-04-11
20 <150> PRIOR APPLICATION NUMBER: 60/398,605
21 <151> PRIOR FILING DATE: 2002-07-26
23 <160> NUMBER OF SEQ ID NOS: 67
25 <170> SOFTWARE: PatentIn Ver. 3.2
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 21
29 <212> TYPE: RNA
30 <213> ORGANISM: Hepatitis C virus
32 <400> SEQUENCE: 1
33 guacugccug auaggugcu u                                     21
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 21
38 <212> TYPE: RNA
39 <213> ORGANISM: Hepatitis C virus
41 <400> SEQUENCE: 2
42 gcaccuauac aggcaguacu u                                     21
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 21
47 <212> TYPE: RNA
48 <213> ORGANISM: Hepatitis C virus
50 <400> SEQUENCE: 3
51 cguacgcgga auacuucgau u                                     21
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 21
56 <212> TYPE: RNA
57 <213> ORGANISM: Hepatitis C virus
59 <400> SEQUENCE: 4
60 ucgaaguauu ccgcuacgu u                                     21
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 21
65 <212> TYPE: RNA
66 <213> ORGANISM: Hepatitis C virus

```

RAW SEQUENCE LISTING

DATE: 11/05/2004

PATENT APPLICATION: US/10/626,879

TIME: 12:30:10

Input Set : A:\72121189.app

Output Set: N:\CRF4\11052004\J626879.raw

```

68 <400> SEQUENCE: 5
69 cguacgcgga auacuucgau u 21
72 <210> SEQ ID NO: 6
73 <211> LENGTH: 21
74 <212> TYPE: RNA
75 <213> ORGANISM: Hepatitis C virus
77 <400> SEQUENCE: 6
78 ucgaaguauu ccgcguacgu u 21
81 <210> SEQ ID NO: 7
82 <211> LENGTH: 21
83 <212> TYPE: RNA
84 <213> ORGANISM: Hepatitis C virus
86 <400> SEQUENCE: 7
87 aucucuacgg ugguccuaau u 21
90 <210> SEQ ID NO: 8
91 <211> LENGTH: 21
92 <212> TYPE: RNA
93 <213> ORGANISM: Hepatitis C virus
95 <400> SEQUENCE: 8
96 uuaggaccac cguagagauu u 21
99 <210> SEQ ID NO: 9
100 <211> LENGTH: 383
101 <212> TYPE: RNA
102 <213> ORGANISM: Hepatitis C virus
104 <400> SEQUENCE: 9
105 gccagccccc gauugggggc gacacuccac cauagauacac uccccuguga ggaacuacug 60
106 ucuucacgca gaaagcgucu agccauggcg uuaguaugag ugucgugcag ccuccaggac 120
107 cccccucucc gggagagcca uaguggucug cggaaaccgu gaguacaccg gaauugccag 180
108 gacgaccggg uccuuncuug gaucaaccgg cucaaugccu ggagauuugg gcgugcccc 240
109 gcgagacugc uagccgagua guguuggguc gcgaaaggcc uugugguacu gccugauagg 300
110 gugcuugcga gugccccggg aggucucgua gaccgugcac caugagcacg aauccuaaac 360
111 cucaaagaaa aaccaaacgu aac 383
114 <210> SEQ ID NO: 10
115 <211> LENGTH: 23
116 <212> TYPE: RNA
117 <213> ORGANISM: Hepatitis C virus
119 <400> SEQUENCE: 10
120 ccugugagg aacuacuguc uuc 23
123 <210> SEQ ID NO: 11
124 <211> LENGTH: 23
125 <212> TYPE: RNA
126 <213> ORGANISM: Hepatitis C virus
128 <400> SEQUENCE: 11
129 uacugucuuc acgcagaaag cgu 23
132 <210> SEQ ID NO: 12
133 <211> LENGTH: 23
134 <212> TYPE: RNA
135 <213> ORGANISM: Hepatitis C virus
137 <400> SEQUENCE: 12

```

RAW SEQUENCE LISTING

DATE: 11/05/2004

PATENT APPLICATION: US/10/626,879

TIME: 12:30:10

Input Set : A:\72121189.app

Output Set: N:\CRF4\11052004\J626879.raw

```

138 cgagacugcu agccgaguag ugu                23
141 <210> SEQ ID NO: 13
142 <211> LENGTH: 23
143 <212> TYPE: RNA
144 <213> ORGANISM: Hepatitis C virus
146 <400> SEQUENCE: 13
147 gaauccuaaa ccucuaagaa aaa                23
150 <210> SEQ ID NO: 14
151 <211> LENGTH: 23
152 <212> TYPE: RNA
153 <213> ORGANISM: Hepatitis C virus
155 <400> SEQUENCE: 14
156 ggucagaucg ucgguggagu uua                23
159 <210> SEQ ID NO: 15
160 <211> LENGTH: 23
161 <212> TYPE: RNA
162 <213> ORGANISM: Hepatitis C virus
164 <400> SEQUENCE: 15
165 gguaagguca ucgauacccu cac                23
168 <210> SEQ ID NO: 16
169 <211> LENGTH: 23
170 <212> TYPE: RNA
171 <213> ORGANISM: Hepatitis C virus
173 <400> SEQUENCE: 16
174 acggcgugaa cuaugcaaca ggg                23
177 <210> SEQ ID NO: 17
178 <211> LENGTH: 23
179 <212> TYPE: RNA
180 <213> ORGANISM: Hepatitis C virus
182 <400> SEQUENCE: 17
183 ccgguugcuc cuuuucuauc uuc                23
186 <210> SEQ ID NO: 18
187 <211> LENGTH: 23
188 <212> TYPE: RNA
189 <213> ORGANISM: Hepatitis C virus
191 <400> SEQUENCE: 18
192 gcucucaua cggauuccaa uac                23
195 <210> SEQ ID NO: 19
196 <211> LENGTH: 23
197 <212> TYPE: RNA
198 <213> ORGANISM: Hepatitis C virus
200 <400> SEQUENCE: 19
201 cauacggauu ccaauacucu ccu                23
204 <210> SEQ ID NO: 20
205 <211> LENGTH: 23
206 <212> TYPE: RNA
207 <213> ORGANISM: Hepatitis C virus
209 <400> SEQUENCE: 20
210 uuugacucua cggucacuga gaa                23

```

RAW SEQUENCE LISTING

DATE: 11/05/2004

PATENT APPLICATION: US/10/626,879

TIME: 12:30:10

Input Set : A:\72121189.app

Output Set: N:\CRF4\11052004\J626879.raw

```

213 <210> SEQ ID NO: 21
214 <211> LENGTH: 23
215 <212> TYPE: RNA
216 <213> ORGANISM: Hepatitis C virus
218 <400> SEQUENCE: 21
219 ccuucacgga ggcuaugacu aga                23
222 <210> SEQ ID NO: 22
223 <211> LENGTH: 23
224 <212> TYPE: RNA
225 <213> ORGANISM: Hepatitis C virus
227 <400> SEQUENCE: 22
228 auacgacuug gaguugauaa cau                23
231 <210> SEQ ID NO: 23
232 <211> LENGTH: 23
233 <212> TYPE: RNA
234 <213> ORGANISM: Hepatitis C virus
236 <400> SEQUENCE: 23
237 auuccuggcu aggcaacauc auc                23
240 <210> SEQ ID NO: 24
241 <211> LENGTH: 23
242 <212> TYPE: RNA
243 <213> ORGANISM: Hepatitis C virus
245 <400> SEQUENCE: 24
246 uuguggcaag uaccucuca acu                23
249 <210> SEQ ID NO: 25
250 <211> LENGTH: 23
251 <212> TYPE: RNA
252 <213> ORGANISM: Hepatitis C virus
254 <400> SEQUENCE: 25
255 auguggugcc uacuccuacu uuc                23
258 <210> SEQ ID NO: 26
259 <211> LENGTH: 23
260 <212> TYPE: RNA
261 <213> ORGANISM: Hepatitis C virus
263 <400> SEQUENCE: 26
264 cuuugguggc uccaucuuaag ccc                23
267 <210> SEQ ID NO: 27
268 <211> LENGTH: 23
269 <212> TYPE: RNA
270 <213> ORGANISM: Hepatitis C virus
272 <400> SEQUENCE: 27
273 gucacggcua gcugugaaaag guc                23
276 <210> SEQ ID NO: 28
277 <211> LENGTH: 23
278 <212> TYPE: RNA
279 <213> ORGANISM: Hepatitis C virus
281 <400> SEQUENCE: 28
282 agccgcuuga cugcagagag ugc                23
285 <210> SEQ ID NO: 29

```

RAW SEQUENCE LISTING

DATE: 11/05/2004

PATENT APPLICATION: US/10/626,879

TIME: 12:30:10

Input Set : A:\72121189.app

Output Set: N:\CRF4\11052004\J626879.raw

```

286 <211> LENGTH: 21
287 <212> TYPE: RNA
288 <213> ORGANISM: Hepatitis C virus
290 <400> SEQUENCE: 29
291 cugugaggaa cuacugucuu c 21
294 <210> SEQ ID NO: 30
295 <211> LENGTH: 21
296 <212> TYPE: RNA
297 <213> ORGANISM: Hepatitis C virus
299 <400> SEQUENCE: 30
300 agacaguagu uccucacagg g 21
303 <210> SEQ ID NO: 31
304 <211> LENGTH: 21
305 <212> TYPE: RNA
306 <213> ORGANISM: Hepatitis C virus
308 <400> SEQUENCE: 31
309 cugucuucac gcagaaagcg u 21
312 <210> SEQ ID NO: 32
313 <211> LENGTH: 21
314 <212> TYPE: RNA
315 <213> ORGANISM: Hepatitis C virus
317 <400> SEQUENCE: 32
318 gcuuucugcg ugaagacagu a 21
321 <210> SEQ ID NO: 33
322 <211> LENGTH: 21
323 <212> TYPE: RNA
324 <213> ORGANISM: Hepatitis C virus
326 <400> SEQUENCE: 33
327 agacugcuag ccgaguagug u 21
330 <210> SEQ ID NO: 34
331 <211> LENGTH: 21
332 <212> TYPE: RNA
333 <213> ORGANISM: Hepatitis C virus
335 <400> SEQUENCE: 34
336 acuacucggc uagcagucuc g 21
339 <210> SEQ ID NO: 35
340 <211> LENGTH: 21
341 <212> TYPE: RNA
342 <213> ORGANISM: Hepatitis C virus
344 <400> SEQUENCE: 35
345 auccuaaacc ucaaagaaaa a 21
348 <210> SEQ ID NO: 36
349 <211> LENGTH: 21
350 <212> TYPE: RNA
351 <213> ORGANISM: Hepatitis C virus
353 <400> SEQUENCE: 36
354 uuucuuugag guuuaggauu c 21
357 <210> SEQ ID NO: 37
358 <211> LENGTH: 21

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/626,879

DATE: 11/05/2004

TIME: 12:30:11

Input Set : A:\72121189.app

Output Set: N:\CRF4\11052004\J626879.raw